1947 **File No.** 8432/36

B CLASS P.W. DEPARTMENT & BRANCH (1)

Subject:— Engineering Works.

Designing & Execution of Through the agency of single department to be designated as the Ministry of Works.

B I K 1941

File No. 8432/36-E(1)

Ftd. Scott. Slip. 24 A.

G R., G D., No. 2408, dated 22-6-22.]

Correspondence

DOCKET SHEET (B)

Subject :—

File No. 8432/36

P. W. DEPT.

R6 (1) BRANCH.

References :—

Date.	To whom sent.	Notes and instructions.

A chart showing staff proposed under 'The min
Service of Engineer
(January 194

'THE MINISTER OF WOR
(assisted by the Technical Advi

'etary	Secretary	Superintending Engineer.	Chief Engineer.	Superintending Engineer.	Superinte Enginee
itenance ine work oject & truction ew Roads 7 Crores).	Village Water Supply (2 Cro- res).	Structural De- signs & Project & construction of New Major Bridges (with ecy. Ex. Staff. (3 Crores.).	Major Ir- rigation Projects & Construc- ction (6.5 Crores.).	Minor Irriga- tion (Minor Irrgn. Bldg. Reclamation of Khar & Kha- jan Land.(1.7 Crores.).	Bldgs. necessa ecutive 10 Cro
intending gineer. thern Circle tral " thern " can Irriga- n Circle. necessary utive staff).			With neces- ary Executive Engineers in charge of Ma- jor Irrigation Project for Planning and Construction.	With necessa- ary Executive Engr. in ch- arge of Minor Irrigation North — do — Central — do — Southern. Executive Engr., Hundi Executive Engr., for Reclaiming Khar & Kha Lands.	

NOTE:- Figure in brackets indicate the approximate cost of Pos

ter of works', (as suggested by the Bombay Associations).

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r when necessary.)

ing	Superintending Engineer.	Chief Engineer.	Superintending Engineer.	Suptg. Engr.	Principals of Engineering Colleges
th y Ex- S.taff) e ;).	Housing (with necy. Executive Staff) . 8 Crores).	Mechanical & Electrical Engineering.	Public Health (with necy. Executive Staff). 3.5 Crores.	Research.	College of Engineering, Poona. College of Engineering, Ahmedabad.

Electrical Grid Organisation.

Electrical Inspectorate staff.

(Details of staff to be as per suggestions of the Special Officer for Electric Grid. Details of cost not given).

War Programme in crores of Rupees, as suggested by the Cabinet.

S/d
President.

Bombay, Service of Engineers Association,
P O O N A.

HM PWD for perusal

This was called for by Hon'ble Minister from BSE deputation during PWD tour note 14/1/51

We might mention discussion after they have perused.

A note giving a brief outline of the proposals of the Bombay Service of Engineer, Associations in connection with the designing, execution and maintenance of all engineering works through a single deptt of Govt.

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~~xxxx~~

Present Position

There are at present two Chief Engineer s who are also Secretaries to Govt. one in charge of Roads and Bldgs. and the other in charge of Irrigation Post War Reconstruction, Railway and electricity; In addition there is a third Chief Engineer in charge of Post War Works.

The work of the Deptt is broadly divided at present into four ~~xxx~~ branches .

i) Roads, bldgs. and Irrigation.

ii) Post War Planning.

iii) Electrical Engineering.

iv) Public Health Works and Mechanical Engineering.

The above four branches are manned by Superintending Engineer s and other Executive ~~Xxg~~ staff.

In addition, a technical organisation has been created under the Special Officer, Electric Grid in the P.W.D. in connection with the Electric grid system with a Chief Engr. called 'Senior Engineer'.

Govt. have also appointed special establishment under the Agricultural Deptt. for Soil conservation and building bldg.

Further, Govt. have recently created a post of Housing Commissioner with the necy. establishment, under the Labour Deptt.

Moreover Govt. have, it is understood, under consideration the following proposals :-

i) Appointment of A Special Engineer under the Finance Deptt. (~~X~~upply) for planning and execution of Dairy Farms.

ii) Appointment of a Special Engineer in connection with the Minor Irrigation Schemes under the Agricultural Department.

It will thus be seen from the above that the activities

of Govt. in connection with the planning and the execution of Engineering works have been on an increase continuously and have now reached considerable magnitude.

For want of a properly planned and comprehensive organisation to deal with all these increased Engineering activities of Govt, it has unfortunately fallen to the lot of numerous Deptt. to plan and execute their own schemes with consequent lack of co-ordination. On account of the water tight compartment thus created the already existing shortage of technical personnal, has been accentuated by the impossibility of putting the right man in the right place, further resulting in inter-departmental rivalry.

The Association feels that even with the existing staff, much better results are possible if allthese Engineering activities are co-ordinated and brought under the control of a single Deptt. facilitating the harnessing of the available technical Engineering staff to the best purpose. The present uncoordinated dev. is apt to lead to increased cost and avoidable delay, to heart burning and bitterness in the technical establishment due to denial of opportunities and also to dissatisfaction amongst the public at the slow progress of Govt. welfare schemes.

PROPOSALS.

If the various Engineering schemes to be pushed forward with vigour and efficiency with minimum cost and shortest possible time, it is essential that a single Deptt. of the Govt. preferably termed "THE MINISTRY OF WORKS" be created forthwith with the organisation under one Minister of Govt. as shown in the accompanying chart.

The chart will show that -

Each principal branch of Engineering will be under its own Head who will be responsible to the Minister for

the proper planning, execution and maintenance of the works under his charge. It is suggested that these Heads should have the maximum possible independence and power in matters technical.

The Minister will be assisted by a Secretary and Technical Adviser who will co-ordinate with the efforts of the various Br. Heads as regards the technical personnel, Machinery and Materials and would act as a technical Adviser to the Minister whenever necy.

The advantages of the above proposals are:-

i) All the Engineering personnel will be brought under one 'Ministry of Works' who will be responsible for all Engineering actigities on the Provinec. This will enable the best possible allecation of the talent available.

ii) The present bottleneck in the Secretariat would be avoided as each Br. Head will have complete freedom and a direct access to Govt. According to the present arrangement all projects are required to pass through four scrutinisers viz. through Ex. Engrs. Superintending Engineers, Chief Engineer, P.W.D. and in Secretariat In the arrangement new proposed all papers would be dea with [illegible] by the Ex. Engrs. concerned directly with the Heads of Branches who will be considered as final authorities as regards technical matter. This arrangement would greatly facilitate expeditious disposal and would also help in saving a lot of energy which could be diverted to other useful channels.

iii) This will enable Govt. to work up to any well planned programme by giving proper weightage and priority to various schemes.

iv) The recruitment of the additional personnel can be on an uniform and economic basis and then can be distributed amongst the various branches according to the requirement of works.

In order to cope up with the whole Pa

Post War Reconstruction programme it will be necy. to up grade the existing staff. In doing this full advantage may be taken of the all available Engineering Graduates. At present many of the engineering graduates are entrusted with routine sectional works which cabe be easily mangged by experienced Maistries and Canal Inspectors. Services of such Graduates could them, be fully utilised in carrying out the major important projects. Same would be the case with experienced and intelligent diploma holders.

The out put of the existing establishment after redestribution according to the Arrangement shown in the accompanying chart could be further or augmented by improving the present system of working involving lot of avoidable formalities and consequent delays. It would be desirable to entrust this question to a Sub-Committee so as to ensure maximum possible out put from the staff available.

It is generally recognised that the decentralisation is necy. for speeding up the execution. This decentralisation would be largely achieved by the proposed arrangement. However, further delegation of power from the Heads of Branches to the Ex. Engineers and if necessary lower down, will have to be considered by the said Committee.

In suggestion the above, organisation full consideration has been given to the Post War Reconstruction programme proposed tax by the Cabinet and heads of Branches have been proposed to suit the extent of that programme. Designation to be given to the various heads of Br. is a matter of detail but each head will have to be given full powers in technical matter to ensure speed and efficiency as against the delay at present caused due to various bottlenecks.

S/d
President. Bombay Service of Engr. Asson. Poona

The plan is based on the P.W.D. remaining united and supplying nuclei to other Deptts. and evisages the final ization for carrying out the complete Post War Deppt. pr amme.

2. It a pears to have been prepared by those lackin tailed knowledge of Govt. administrative machinery. Whi holding no brief for this machinery it cannot be co plete ignored until replaced by a more efficient one.

3. The object of the proposals according to the note to do away with the socalled "Secretariat bottle-neck" but it seems to defeat its own object and merely to transfer any pos sible bottle-neck from the Secretariat to the office of the Ministry of Works.

4. Omitting the suggested control at the top, the organization now proposed is on lines very similar to those originally proposed for the complete execution of the old Post War Programme, and should prove satisfactory provided the officers necy. to carry it out can be obtained.

5. It seems very inadvisable to consider as many as 12 t 18 officers having full powers of Govt. and the right to take their cases direct to the Minister. This would make the Minister's work impossible. This difficulty could be overcome if all Heads of Branches are classified as Superintending Eng or Dy. Chief Engineers with the necy. number Chief Engrs. wit and Secretaries between them and the Minister as indicated in the chart. It might be necy. to rearrange the branches under the respective Chief Engineers and Secretaries, and before su such an organization could be adopted it would certainly be essential to consider the branches and their requirements in very much greater detail than has been done in the present propos

6. Whilst an organization of this nature is essential to execute the vast programme of dev. contemplated, it must of necessity take time to develop. Thr organization as set out in the chart visualizes a minimum of 20 officers of administrative rank. To obtain these from the existing cadres would mean excessive up-grading of officers quite untrained

for such work with the consequent loss of efficiency and wealening of control. It seems essential that such up-grading should proceed slowly and with extreme caution.

Id/.
17/1/47.

Seen
M.D.D.G.
22/1/47.

Sd/-
24/1/47

Bombay Service of Engrs.
Association.
Office of the Ex. Engineer,
Poona Irrign. & Research Dn.
Poona, 7th January, 1947.

From

B.R. Sardesai, Esq.,
B.A., B.E., M.I.E.(Ind),
President,
Bombay, Service of Engineers Association,
P O O N A

To

The Hon'ble the Prime Ministry,
Government of Bombay,
Bombay.

Sub: Designing and execution of
Engineering works ---
Agencies in connection with the --
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Dear Sir,

With reference to the interview of the Deputation of my Association had with your goodself and the Hon'ble Minister, Public Works Deptt., on the 3rd. Jan. 1947, I enclose for favour of consideration by Govt. a note giving a brief outline of the proposals mentioned by us at the interview and since considered at the Annual General Meeting of the Bombay Service of Engineers Association held on the 5th Jan. 1947, in connection with the designing, execution and maintenance of all types of Engineering works through the agency of a single Deptt., of Govt. which may be designated as 'The Ministry of Works'. I may be permitted to observe that the subject evoked the keenest interest at the meeting of my Association and the accompanying note is the result thereof.

9 spare copies of the Note are enclosed.

Yours faithfully,

S/d

President,
Bombay Service of Engineers Association,
Poona.

B.A.
1. Note
9. Spare copies.

H.P.M. desires that Secy., P.W.D. should go throught the attached Memo, submitted by the Bombay Service of Engrs. Association and note on it.

Id/-
22/1/47.

Secy. P.W.D.

This has already been noted again. The original papers may be put up for submission to the H.P.M.

Id/-
21/1/47.

E.B.(i)O.N. P.W.D.

The original papers are put up within. In theis connection, attention is invited to the Secy's note on pp. ante.

2. The papers may now be submitted to the H.P.M.

Id/-
28/1/47.

Resubmitted. Perusal is requested the Govt note of the Secretaries at pages 9 and 10 ante, where the case has already been considered.

Id/-
28/1/47.

H.M.P. H.M.P.W.D.and I will discuss.

Dismussed. May be filed.

Id/-
15/2/47.

Id/-
20/1/47.

Id/-
21/1/47.

Bombay Service of Engineers
Association.
Office of the Ex. Engrs.,
Poona Irrign. & Reasearch Divn.,
Poona, 25th January, 1947.

To

The Secretary to the Govt. of Bombay,
Public Works Deptt.,

Dear Sir,

In the interview that the deputation of our Association had with the Hon'ble the Prime Minister and the Minister for Public Works Deptt., on the 3rd instant it was given to know that the working of the Public Works Department is to be reorganised to make it more efficient and quick in the execution of the Post War Programme which the Govt. has at heart.

The Association has submitted certain proposals in the matter as desired by the Hon'ble Ministers. This question vitally affects the interests of the members of this Assiciation it is requested that the Association may be consulted before finalising the scheme.

Yours faithfully,

S/d

Hon. General Secretary,
Bombay Service of Engineers Association,
Poona.